

### REMARKS

Claims 1, 2, 8-18, and 23-25 are pending in the application and claims 1-2 and 8-12 were rejected. Independent claim 1 has been amended herein to comprise the limitations of dependent claim 2, which has also been canceled. Applicants note with appreciation the allowance of claims 13-18 and 23-25. Reconsideration of the application in light of the above amendment and the following remarks is respectfully requested.

#### I. REJECTION OF CLAIMS 1, 2, AND 8-12 UNDER 35 U.S.C. § 102(e)

Claims 1, 2, and 8-12 are rejected under 35 U.S.C. § 102(e) as allegedly being anticipated by U.S. Patent Application Publication No. 2004/0120339 (Ronciak).

Withdrawal of this rejection is requested for at least the following reasons.

- i. ***Ronciak does not teach or suggest assembling a coalesced array from the coalesced physical buffer and one or more respective non-selected and non-coalesced virtual or physical buffers, as provided in claim 1.***

Independent claim 1, as amended, provides, inter alia, assembling a coalesced array from the coalesced physical buffer and one or more respective non-selected and non-coalesced virtual or physical buffers. That is, claim 1 provides a method that comprises selectively copying either selected ones of virtual buffers or selected ones of the physical buffers (respectively associated with a data packet) into a coalesced physical buffer based on an analysis. Additionally, ***a coalesced array is assembled from the coalesced physical buffer and one or more respective non-selected and non-coalesced virtual or physical buffers.*** It is respectfully submitted that Ronciak fails to teach the above highlighted feature.

Ronciak discloses in Fig. 5 an illustration of frame coalescing for a single buffer (see, pg. 4, para. 0042). A buffer (508) holds frames (e.g., a packet) 1, 2 and 3. Socket buffers SKB 502, SKB Clone (504), and SKB Clone (506) each have a set of information describing buffer (508) (e.g., para. 0042, Ins. 3-11). As shown in Fig. 5, the

data and tail pointers for each SKB and cloned SKB may point to their respective frames, which they each represent within buffer (508) (see, para. 0043). When coalescing is being used, multiple frames are put into a socket buffer, and when the frame is being indicated up the stack, SKB (502) may be cloned resulting in SKB Clone (504) or SKB Clone (506) that can respectively be manipulated to point to a frame of data in buffer (508). (See, para. 0045, Ins. 1-12; Fig. 5). The process of frame coalescing for a single buffer according to Ronciak continues until the last frame (e.g., Frame 3 of Fig. 5) is indicated, and once the last frame is processed, the entire SKB is released. (See, para. 0045, Ins. 12-17). However, Ronciak does not teach or suggest that ***a coalesced array is assembled from the coalesced physical buffer and one or more respective non-selected and non-coalesced virtual or physical buffers, as provided in claim 1.*** In particular, Ronciak does not teach that any of the virtual or physical buffers not coalesced or not selected to be coalesced are assembled into a coalesced array with coalesced buffers. Rather, Ronciak teaches that the entire socket buffer (SKB) is released (see, para. 0045, last two lines), which would include SKB (502), SKB Clone (504) and SKB Clone (506) since the SKB clones are not copies but instead use other descriptors to simply point to the same data portion of the SKB (see, para. 0044, Ins. 5-7). Consequently, Ronciak does not anticipate ***a coalesced array is assembled from the coalesced physical buffer and one or more respective non-selected and non-coalesced virtual or physical buffers***, as provided in claim 1. Accordingly, withdrawal of the rejection of independent claim 1 and the rejected claims depending thereupon is respectfully requested.

## **II. CONCLUSION**

For at least the above reasons, the claims currently under consideration are believed to be in condition for allowance.

Should the Examiner feel that a telephone interview would be helpful to facilitate favorable prosecution of the above-identified application, the Examiner is invited to contact the undersigned at the telephone number provided below.

Should any fees be due as a result of the filing of this response, the Commissioner is hereby authorized to charge the Deposit Account Number 50-1733, AMDP772US.

Respectfully submitted,  
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